RFID READY

Thermaline Printers – Ready for RFID

WHEN YOU ARE!

The Thermaline T5000^r SR thermal printers are web-enabled, industrial-grade thermal barcode printers designed to provide high quality printing performance and operate at 24/7 duty cycles in manufacturing or distribution environments. These Smart Ready printers are specifically configured for easy field upgradeability to RFID encoding. It's all part of a commitment to provide solutions that keep pace with RFID adoption and provide a migration path to new EPC standards. RFID upgrade kits provide asset protection by allowing companies to purchase the thermal printers they need today without worrying how they will fit into future RFID plans.

ADVANTAGES

• Choice of two different upgrade kits for RFID encoding which have everything needed to upgrade to either Multi-protocol or EPC Class 1.

• Aluminum die-case design dampens vibration and maintains precise printer alignment

• Unique dual-motor driven ribbon system eliminates clutch replacement and greatly reduces the risk of ribbon wrinkle for superior print quality

• Cantilever head mechanism design makes it easy to side-load, clean and maintain

• Exclusive snap-in print head reduces service calls by allowing operator to easily change print heads and change from 203DPI to 300DPI printing without firmware or software changes

• Ventless system operates in environments with airborne particulate matter without compromising performance

• Wireless/Ethernet option provides real-time data access and local printing flexibility

PRINTRONIX
GLOBAL PRINTING...ENABLED.

PSION TEKLOGIX
information in motion

Specifications

SL5000^r UPGRADE KITS

- SL5000^r MP
  Multi-protocol – AWID Technology
  Support for Class 0, 0+, 1
  915 MHz UHF encoder

- SL5000^r C1
  Class 1 protocol - Alien Technology
  Support for Class 1, 915 MHz UHF
  encoder

PRINTING CHARACTERISTICS

- Print Speed:
  T5204e SR: 10 IPS @ 203DPI (254mm/sec)
  T5304e SR: 8 IPS @ 300DPI (203mm/sec)

- Printing Methods: Thermal Transfer or
  Direct Thermal

- Resolution: 203/300 DPI (operator
  interchangeable)

- Printable Width: 4.1'' max

RECOMMENDED LABEL CHARACTERISTICS

- RFID Inlay Labels:
  Alien 'Squiggle' Class 1 4'' × 2'', 4'' × 4'', 4'' ×
  6'', 4'' × 8''
  Alien 'M-tag' Class 1 4'' × 4'', 4'' × 6'', 4'' × 8''
  Rafsec #313 'Psychedelic' Class 1 3'' × 3''
  Matrics 'Dual Dipole' Class 0, 0+ 3'' × 3'' (via
  software upgrade)

RFID ENCODING MODES

- Operation Modes:
  Write/Verify/Print – writes RFID data to tag
  and verifies contents are written correctly,
  while also printing the desired image

- Error Handling Modes:
  Overstrike – when a bad RFID tag is
  detected, overstrikes label and applies the
  data with the next label
  Stop – when a bad tag is detected, stops
  the printer to allow for user invention

- Statistics Tracking:
  Tracks number of tags written to and
  number of bad tags detected

RFID SOFTWARE MIGRATION TOOLS

- Migration tools allow RFID tags to be
  automatically programmed with data from
  the following barcode symbologies:
  GTIN carriers ITF-14 and UCC/EAN-128
  EPC data within a Code 39
  UPC-A, EAN-8, EAN-13
  Some restrictions may apply. Contact a
  Printronix Certified RFID Integrator for
  details.

MEDIA HANDLING CHARACTERISTICS

- Tear-Off: Individual label tear-off

- Tear-Off: Strip Label strips tear-off

- Continuous Labels: print continuously

- Peel Labels: peel from liner without
  assistance (peel mode requires rewind
  option)

MEDIA COMPATIBILITY

- Media Types:
  Roll or fanfold
  Die cut or continuous
  Labels, tags and tickets
  Paper, film or synthetic stock
  Thermal Transfer or Direct Thermal

- Media Width: 1.0'' to 4.5'' (T5204e
  SR/T5304e SR)

- Media Thickness 0.0025'' to 0.010''

- Roll Core Diameter 3.0'' (7.6 cm)

- Maximum Roll Diameter 8.0'' (20.9 cm)

- Thermal Transfer Ribbon
  Ribbon Width Range: 1.0'' to 4.33'' (T5204e
  SR/T5304e SR)
  Ribbon Capacity: 625m

RECOMMENDED RIBBON CHARACTERISTICS

- Ribbon 625m length

- 4.33'' width

- Model 8500 premium wax formulation

- Model 8300 wax formulation

OPERATOR CONTROLS & INDICATORS

- Operator Controls: Off Line-On Line, Test
  Print, Job Select, Form Feed Menu, Cancel,
  Enter

- Message Display: 32 character

- Indicators: Off Line-On Line, Menu

PROGRAMMING LANGUAGE

- Standard:
  PGL – Printronix Graphics Language
  ZPL™ – Zebra Programming Language

BARCODE SYMBOLOGIES AVAILABLE

- Code 39, Code 128 (A, B, C) Codabar,
  Interleaved 2 of 5, FIM UPC-A, UPC-E,
  UPC-EO, EAN 8,EAN 13, Code 93, Postnet,
  Postbar UCC/EAN 128, PDF 417, UPS
  Maxicode, Royal Mail, Datamatrix

SENSING METHODS

- Transmissive, Reflective (Gap, Mark, Notch,
  Continuous Sensing Form)

INTERFACES

- Standard
  Serial RS232
  IEEE 1284 (Centronics)

- Optional:
  Ethernet (PrintNet)
  Dual Ethernet/Wireless (802.11b)

FONTS, GRAPHICS SUPPORT, WINDOWS DRIVERS

- Fonts: OCRA, OCRB, Courier, Letter
  Gothic, CG Triumvirate Bold Condensed

- Graphic Support: PCX and TIFF file formats

- Windows Drivers: Windows 95/98/2000/XP

MEMORY

- DRAM: 8Mb standard (16Mb optional)

- Flash: 4Mb standard (10Mb optional)

POWER REQUIREMENTS

- Line Input: 90–264 VAC (48–62Hz), PFC

- Power Consumption: 150 watts (typical)

- Regulatory Compliance: FCC-B, UL, Energy
  Star mode (<45 watt)

ENVIRONMENTAL CONSIDERATIONS

- Operating Temperature: 5°C to 40°C

- Dimensions: 11.7''W × 20.5'' L × 13.0'' H
  (T5204e SR/T5304e SR)

- Printer/Shipping Weight: 42lbs/51lbs
  (T5204e SR/T5304e SR)

*Specifications are subject to change without notification.

---

www.psionteklogix.com